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(54) CHIPPING-RESISTANT AQUEOUS-EMULSION PAINT FOR AUTOMOBILE

(57) Abstract:

PURPOSE: To form a coating film having satisfactory chipping resistance and improved vibration-damping performance by using a combination of two or three specific resins.

CONSTITUTION: A polyurethane resin (A) which is any of a polyester, polyether, or polyolefin type is blended with an acrylic resin (B) obtained by emulsion-polymerizing a monomer such as an acrylic ester optionally with other copolymerizable ingredient and/or a styrene/butadiene copolymer resin (C) obtained by emulsion-polymerizing styrene and butadiene optionally with other monomer, in an (A):(B+C) ratio of 1:(1-5) by weight. According to need, 50-300 pts.wt. filler (D) which has an average particle diameter of 1-20 μ m (and 0.5-20wt.% of which is accounted for by fine hollow particles having an average particle diameter of 40-70 μ m) is added to 100 pts.wt. the resin blend on a solid basis along with a dispersant, a wetting agent, a thickener, etc. The resulting mixture is kneaded to disperse the filler. This dispersion is defoamed by adding a defoamant and then filtered.

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